

ASHLY

24dB Per Octave Electronic Crossovers

models XR-1000, XR-2000, XR-3000, XR-4000



XR-1000 Stereo 2-way/Mono 3-way



XR-2000 Stereo 3-way/ Mono 4 or 5-way/4 Channel 2-way



XR-3000 Mono 4-way



XR-4000 Stereo 4-way

Ashly's 24dB per octave Electronic Crossovers are the most flexible crossovers available. Each features Ashly's exclusive Variable Filter Response control which allows you to "tune in" the response best suited to your particular application. Whatever your system configuration (long-throw, short-throw, etc.), the Variable Filter Response permits you to "customize" filter performances such as Linkwitz-Riley, Butterworth and others.

A 20Hz high-pass filter is built into each crossover, protecting sound systems from extreme low frequency interference or transients which could damage components.

XLR inputs and outputs may be used balanced or unbalanced, and utilize the industry standard wiring configuration for interconnection to any professional equipment. Also, a special electronic power monitor for the output stages prevents turn-on transients without the use of relays.

The **XR-1000** provides stereo 2-way or mono 3-way operation. The **XR-2000** offers the unique ability to be used as a stereo 3-way, mono 4 or 5-way, four-channel 2-way (great for stage-monitor multiple mixes), or other esoteric combinations to fit almost any application. Tuning range on both the **XR-1000** and **XR-2000** is 40Hz to 8kHz.

The **XR-3000** is a mono 4-way crossover and the **XR-4000** is a stereo 4-way version. Both the **XR-3000** and the **XR-4000** have an extra-wide tuning range of 40Hz to 24kHz for special applications.

All Ashly Electronic Crossovers use state-variable filter circuits to perform the frequency divisions, which provide simultaneous low-pass and high-pass outputs. The logical layout of the control panels provides an intuitive "easy operation" feel, and LED's visually indicate peak indication as well as provide functional status information. Our electronic crossovers, like all Ashly products, are now protected by our exclusive five-year worry-free warranty.

**Five-Year
Worry-Free Warranty**

**24dB Per
Octave Slopes**

**Variable Filter
Response
Allows Tuning In
Linkwitz-Riley,
Butterworth
or Other Filter
Performances**

**Available with Either
Balanced XLR or
1/4" PhoneTRS
Inputs/Outputs**

20Hz Hi-Pass Filter

**Extra Wide
Tuning Range**

**Peak Overload
Warning Lights**

**Tamper-Proof Security
Covers Optionally
Available**

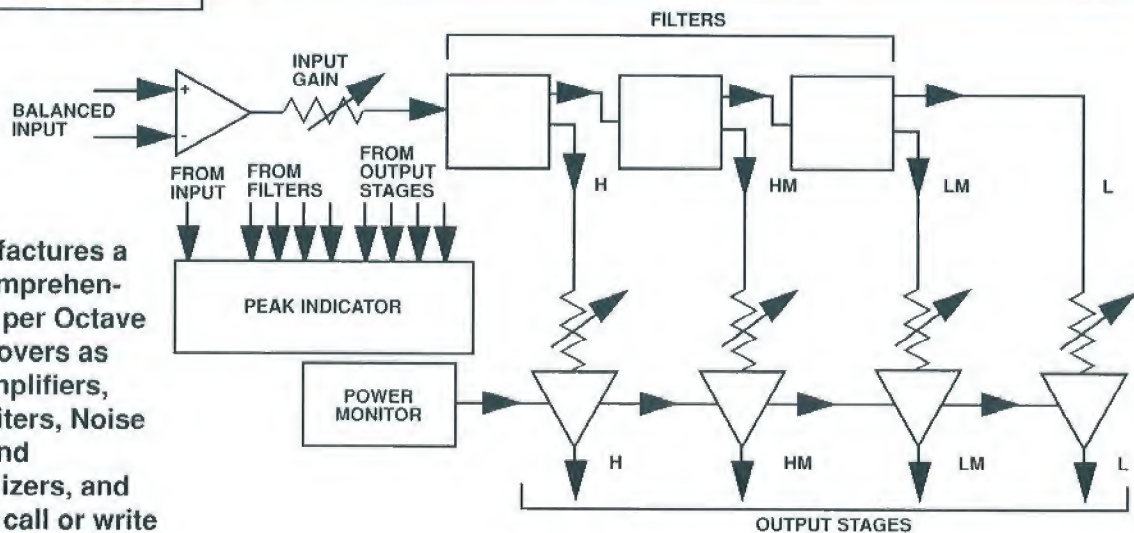
Specifications

CONTROLS

Input Level: ∞ - +6dB
 Response Control: 1.5dB - 12dB
 Output Level: ∞ - +20dB

Input Impedance: 10k Ω balanced bridging
 Maximum Input Level: +26dBm
 Maximum Output Level: +20dBm
 Frequency Response: \pm 5dB 20Hz-20kHz
 Distortion: <.05% THD
 Slew Rate: 6V/ μ S
 Hum and Noise: -90dBv
 Power Requirements: 120VAC, 50-60Hz, 5W
 Size: XR-1000, XR-3000: 19"L x 1.75"H x 6"D
 XR-2000, XR-4000: 19"L x 3.5"H x 6"D
 Shipping Weight: XR-1000, XR-3000: 8 lbs.
 XR-2000, XR-4000: 10 lbs.

Block Diagram XR-3000



Ashly also manufactures a complete and comprehensive line of 12dB per Octave Electronic Crossovers as well as Power Amplifiers, Compressor/Limiters, Noise Gates, Graphic and Parametric Equalizers, and Preamps. Please call or write for information on any of these Ashly Products.

Typical Hookup Of XR-2000 in 4-Channel, Two-Way Operation (Multiple-Mix Stage Monitors)



Typical Hookup Of XR-1000 in Mono, Three-Way Operation



Typical Hookup Of XR-1000 in Stereo, Two-Way Operation



Ashly Audio Inc.

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